

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Acacia farnesiana*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	NARINGENIN-7-GLUCOSIDE	Plant				--
0	ETHYL-ESTER	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	SITOSTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	EICOSANE	Plant				--
0	CIS-3-METHYL-DEC-3-ENOIC-ACID	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	AMINO-ACIDS	Plant				--
0	N-METHYL-BETA-PHENETHYLAMINE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	EO	Flower	5000.0	50000.0	1.241286294843234	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	KAEMPFEROL-7-GALLOYLGLUCOSE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	CIS-3-METHYL-DEC-3-EN-1-OL	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	NARINGENIN-7-DIGLUCOSIDE	Fruit				Wealth of India.
0	N-ACTYL-DJENKKOLIC-ACID	Plant				--
0	MYRICETIN-4'-METHYLETHER-3-RHAMNOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	EICOSANE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-METHYL-3-Z-NONENOIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CARBOHYDRATES	Seed	730000.0	770000.0	0.9800291311468579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ISORHAMNETIN-3,7-GLUCORHAMNOSIDE	Flower				Wealth of India.
0	DECYL-ALDEHYDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	N-METHYL-BETA-PHENETHYLAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	DIHYDROACTINIDIOLIDE	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	3-METHYL-3-Z-DECEN-1-OL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	QUERCETIN-3-O-RUTINOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	CARBOHYDRATES	Leaf	90000.0	484200.0	-1.0151486657995317	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TRANS-3-METHYL-DEC-4-ENOIC-ACID	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	DECYL-ALDEHYDE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	PRUNIN-O-6'-GALLATE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	FAT	Seed	20000.0	78000.0	-0.9870374714555853	--
0	ASH	Leaf	10000.0	53800.0	-1.146130957061661	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	4-HYDROXY-PIPECOLIC-ACID	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Fruit				--
0	PROTEIN	Seed	209000.0	550000.0	2.812797734445859	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Leaf	6000.0	32280.0	-0.48187178239214123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CRESOLS	Flower				Wealth of India.
0	SITOSTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	NITROGEN	Leaf	12800.0	68800.0	1.2507839376624452	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CUMINIC-ALCOHOL	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	3-METHYL-3-Z-NONENOIC-ACID	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	PROTEIN	Leaf	80000.0	430000.0	2.1763064193199195	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	HYDROXYACETOPHENONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	M-DIGALLIC-ACID	Fruit				--
0	APIGENIN-6,8-BIS-(C-BETA-D-GLUCOPYRANOSIDE)	Leaf				--
0	KAEMPFEROL-7-DIGLUCOSIDE	Fruit				Wealth of India.
0	LINALOL	Flower				--
0	3-METHYL-3-Z-DECEN-1-OL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROLINE	Leaf	4080.0	21890.0	1.5418615186449842	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	N-ACETYL-DJENKKOLIC-ACID	Seed				--
0	WATER	Leaf		814000.0	0.031741499590285306	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TANNINS	Fruit	110000.0	322000.0	2.5553598458512568	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	HYDROCYANIC-ACID	Leaf		4.495	-1.0	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	CRESOLS	Plant				--
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	APIGENIN-6,8-BIS-BETA-D-GLUCOPYRANOSIDE	Plant				--
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Plant				--
0	ETHYL-PHENOL	Flower				--
0	BETA-GERANIOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	M-DIGALIC-ACID	Plant				--
0	(+)-GALLOCATECHOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	BETA-GERANIOL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	NARINGENIN-7-GLUCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	KAEMPFEROL-7-GLUCOSIDE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
1	SERINE	Leaf	3280.0	17600.0	1.5524961353748998	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	CHOLESTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	CHOLESTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	NONACOSANE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	ALPHA-SPINASTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	ALPHA-SPINASTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ISORHAMNETIN-3-RUTINOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
2	LOTAUSTRALIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	CAMPESTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	NONACOSANE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	LINAMARIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CYSTINE	Seed	700.0	750.0	-1.6696102828167267	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	CAMPESTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	LEUCINE	Seed	3700.0	3750.0	-1.27607066721136	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	PIPECOLIC-ACID	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	LEUCINE	Leaf	6000.0	32190.0	2.414102856680727	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Leaf	3120.0	16740.0	1.1346165716482157	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	TRIACONTANOL	Leaf				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	MUCILAGE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
3	ISOLEUCINE	Seed	1075.0	1100.0	-1.1983767279324409	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	ASPARTIC-ACID	Plant	7040.0	37770.0	1.3374636299085358	--
3	ALANINE	Leaf	3440.0	18450.0	1.3615480815328946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ISOLEUCINE	Leaf	2800.0	15020.0	0.7615009868426974	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	AROMADENDRIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	VALINE	Seed	1600.0	1650.0	-1.2761249121679237	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	LYSINE	Seed	1750.0	1800.0	-1.3950017923225162	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	(+)-CATECHOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
4	PHOSPHORUS	Leaf	840.0	4519.0	-0.08324574404567579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	LYSINE	Leaf	3760.0	20170.0	1.6628021945345992	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Seed	1050.0	1100.0	-1.574239291812439	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	THREONINE	Leaf	2000.0	10730.0	0.3153628468971734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Seed	2000.0	2700.0	-0.7011725748825549	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	GERANYL-ACETATE	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	ALPHA-IONONE	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	PINITOL	Flower				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Leaf	37.0	199.0	-0.4161653734377091	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	BUTYRIC-ACID	Flower				--
6	BUTYRIC-ACID	Plant				--
7	ANISALDEHYDE	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
7	PHENYLALANINE	Seed	1450.0	1500.0	-1.1990056353773155	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
7	PHENYLALANINE	Leaf	2800.0	15020.0	1.2243440357218753	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	LINALYL-ACETATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
7	LINALYL-ACETATE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	HISTIDINE	Leaf	1840.0	9870.0	2.255186144347604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	GLUTAMIC-ACID	Leaf	10080.0	54070.0	0.8730215200517875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	TYROSINE	Leaf	2240.0	12010.0	1.1112099488478182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	P-CRESOL	Flower				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
8	STEARIC-ACID	Seed	600.0	2300.0	-0.515487850383026	--
9	BENZYL-ALCOHOL	Flower				--
9	HCN	Leaf		4.495	-1.1674032562088021	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	CUMINALDEHYDE	Plant				--
10	CUMINALDEHYDE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
11	TYRAMINE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
11	NEROLIDOL	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
12	STIGMASTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
12	STIGMASTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
12	GLYCINE	Leaf	2720.0	14590.0	1.1085158262772645	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	PALMITIC-ACID	Flower				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
13	BETA-IONONE	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
13	PALMITIC-ACID	Seed	2400.0	9500.0	-0.503585224724406	--
14	ARGININE	Leaf	7360.0	39480.0	1.3871175969782887	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Leaf	2.0	9.0	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	57000.0	306000.0	1.786476373006545	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	METHIONINE	Seed	175.0	200.0	-1.0625192949985425	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
15	METHIONINE	Leaf	700.0	3860.0	0.6425258768913413	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	METHYL-GALLATE	Fruit				--
16	METHYL-GALLATE	Plant				--
17	FARNESOL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
17	FARNESOL	Plant				--
18	OLEIC-ACID	Seed	4200.0	16000.0	-0.847570817071624	--
20	BENZOIC-ACID	Plant				--
20	BENZOIC-ACID	Flower				--
20	METHYL-EUGENOL	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
21	METHYL-SALICYLATE	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
23	ALPHA-TERPINEOL	Flower				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
24	BENZALDEHYDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
24	BENZALDEHYDE	Flower				Pakistan Encyclopedia Planta Medica. 1986.
27	LINOLEIC-ACID	Seed	12800.0	50000.0	-0.48942865171816513	--
28	CALCIUM	Seed	3900.0	5500.0	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Leaf	930.0	5003.0	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
29	TRYPTOPHAN	Seed	440.0	450.0	-0.9805035053762663	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
31	THIAMIN	Leaf	2.0	11.0	0.561719139300665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
34	SALICYLIC-ACID	Plant				--
34	SALICYLIC-ACID	Flower				--
35	GERANIOL	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
39	NIACIN	Leaf	85.0	457.0	4.37280098796833	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
51	ELLAGIC-ACID	Plant				--
51	ELLAGIC-ACID	Fruit				--
53	BETA-CAROTENE	Leaf	120.0	646.0	1.6753562972527778	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	LINALOOL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	LINALOOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
56	NARINGENIN	Fruit				Wealth of India.
57	COUMARIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
57	COUMARIN	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
62	GALLIC-ACID	Plant				--
62	GALLIC-ACID	Flower				Wealth of India.
75	KAEMPFEROL	Plant				--
75	KAEMPFEROL	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
76	EUGENOL	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
87	RUTIN	Leaf				Wealth of India.
112	ASCORBIC-ACID	Leaf	490.0	2636.0	-0.19933288649781924	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses